

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for inhibiting the growth of hormone-dependent tumor cells in a patient in need thereof, comprising administering to said patient a selective androgen receptor modulator compound in an amount effective therefor, wherein:

said selective androgen receptor modulator compound exhibits antagonist activity inhibiting growth of said hormone-dependent tumor; and

wherein said selective androgen receptor modulator compound exhibits no activity or agonist activity against other, nontumor tissues containing the androgen receptor,

wherein said no activity is maintaining at least one of average normal bone density, average normal muscle mass, average normal reproductive function, and average normal libido seen in ugonadal warm-blooded male mammals, and

wherein said agonist activity is having an activation effect greater than 5% in vivo as compared to control animals on the weights of at least one of ventral prostate, seminal vesicles, levator ani, and luteinizing hormone serum levels, and

wherein said selective androgen receptor modulator compound binds to an androgen receptor ligand binding domain having the structural coordinates of Table A.

Claim 2 (currently amended): The method of claim 1, wherein said tumor cells are prostate tumor cells and wherein, in addition to exhibiting antagonist activity in said tumor cells and no activity or agonist activity against other, nontumor tissues containing the androgen receptor, said selective androgen receptor modulator compound further exhibits agonist, antagonist or no activity in normal prostate tissue.

Claim 3 (currently amended): The method of claim 1, wherein said selective androgen receptor modulator compound exhibits agonist activity against other, nontumor tissues containing the androgen receptor.

Claim 4 (currently amended): The method of claim 1, wherein said selective androgen receptor modulator compound exhibits no activity against other, nontumor tissues containing the androgen receptor.

Claim 5 (original): The method of claim 1, wherein said hormone-dependent tumor is prostate cancer.

Claim 6 (original): The method of claim 1, wherein said other, nontumor tissue containing the androgen receptor comprises one or more of the following tissues: seminal vesicles, male and female genitalia, skin, testis, ovary, cartilage, sebaceous glands, hair follicles, sweat glands, muscle, gastrointestinal vesicular cells, thyroid follicular cells, adrenal cortex, liver, pineal, bone, stromal cells, kidney tubules, urinary bladder and/or brain cortical and subcortical regions.

Claim 7 (original): The method of claim 6, wherein said other, nontumor tissue containing the androgen receptor comprises one or more of the following tissues: cardiac muscle, skeletal muscle and/or smooth muscle.

Claims 8-24: (canceled)

Claim 25: (currently amended) A method for inhibiting the growth of hormone-dependent tumor cells in a patient in need thereof, comprising administering to said patient a selective androgen receptor modulator compound in an amount effective therefor, wherein:

said selective androgen receptor modulator compound exhibits antagonist activity inhibiting growth of said hormone-dependent tumor; ~~and~~

wherein said selective androgen receptor modulator compound exhibits agonist activity against other, nontumor tissues containing the androgen receptor, and

wherein said selective androgen receptor modulator compound binds to an androgen receptor ligand binding domain having the structural coordinates of Table A.